

IN THE SPECIFICATION

Please amend the title as follows:

~~--Camera signal processing apparatus and camera signal processing method~~

Image Processing System for Generating Interpolated Data Based on Color-Difference Signals--

Please amend the abstract as follows:

~~--A camera signal processing apparatus~~ An apparatus and method for generating an image by ~~comprises an interpolated pixel data generating means for interpolating, at least on two directions, pixel data based on an imaging signal from a solid-state image sensor in which an imaging light enters through a color filter having a different spectral characteristic for each pixel separately generating interpolated pixel data in the at least two directions;~~ a correlation detecting means for detecting a correlation ~~A correlation value is detected that is indicative of a degree of correlation in each of the at least two directions of the interpolated pixel data;~~ a normalizing means for normalizing the ~~The correlation value is normalized for~~ of each of the at least two directions, to generate a normalized value indicative of a relative value of the correlation value of each of the at least two directions; ~~a correcting means for~~ The method further includes adding a predetermined correction value to the normalized value, and; ~~a weighting means for weighting the interpolated pixel data in each of the at least two directions by the normalized value and adding together the weighted interpolated pixel data in all of the at least two directions; and an image generating means for generating an image based on the interpolated pixel data weighted by the weighting means.~~ --